

# Notice of Allowability

Application No.

09/768,869

Examiner

Adam L. Basehoar

Applicant(s)

KARADIMITRIOU ET AL.

Art Unit

2178

## -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to RCE filed 11/21/07.
2. ☒ The allowed claim(s) is/are 1-3, 5-12 and 14-22.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All   b) ☐ Some\*   c) ☐ None   of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

### Attachment(s)

- |  |   |
|--|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)   | 5. <input type="checkbox"/> Notice of Informal Patent Application                     |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____ |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),<br>Paper No./Mail Date _____    | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment                   |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material | 8. <input type="checkbox"/> Examiner's Statement of Reasons for Allowance             |
|  | 9. <input type="checkbox"/> Other _____   |

### **EXAMINER'S AMENDMENT**

1. This action is responsive to communications: The RCE filed 11/21/07.
2. Claims 4 and 13 have been cancelled as necessitated by Amendment.
3. All previous rejections to the claims have been withdrawn as necessitated by Amendment.
4. Claims 1 and 10 have been amended by the examiner, which is discussed below in the Examiner's Amendment section.
5. Claims 1-3, 5-12, and 14-22 are allowed as necessitated by the Amendment.
6. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.
7. Authorization for this examiner's amendment was given in a telephone interview with Mary Lou Wakimura on 12/04/07.

#### **The Application has been amended as follows:**

Claim 1 (Currently Amended) A computer-implemented method of determining content type of contents of a subject Web page, comprising the steps of:

providing a predefined set of potential content types, content types being exclusive of indicating formal language of the content;

for each potential content type, preparing a distinguishing series of tests, the distinguishing series of tests includes:

i) at least one binary test, and

ii) at least one non-binary ~~binary~~-test,

the at least one binary test and the at least one non-binary test further including at least one test (a) examining syntax or grammar; or (b) examining page format or style other than position of data or a keyword in the subject Web page;

for each potential content type, running the distinguishing series of tests of tests having test results which enable quantitative evaluation of at least some contents of the subject Web page being of the potential content type,

mathematically combining the probabilities from all possible combinations of the test results and hypothesis values with respect to content of Web pages of determined content type with the test results of the subject Web page of undetermined content type using at least one Bayesian network; and

based on the combined test results, assigning a respective probability, for each potential content type, that some contents of that type exists on the subject Web page, and indicating content type, said indicating being exclusive of indicating language in which content is written.

Claim 10 (Currently Amended) Apparatus for determining content type of contents of a subject Web page, comprising:

a digital processor coupled to a memory;

a predefined set of potential content types, each potential content type being exclusive of indicating formal language of the content and associated with a respective distinguishing series of tests, the distinguishing series of tests includes:

- i) at least one binary test, and
- ii) at least one non-binary ~~binary~~ test,

the at least one binary test and the at least one non-binary test further including at least one test (a) examining syntax or grammar; or (b) examining page format or style other than position of data or a keyword in the subject Web page;

a test module utilizing the predefined set, the test module employing the distinguishing series of tests as a plurality of processor-executed tests having test results which enable, for each potential content type, quantitative evaluation of at least some contents of the subject Web page being of the potential content type, for each potential content type, the test module (i) running the respective distinguishing series of tests, (ii) combining the probabilities from all possible combinations of the test results and hypothesis values with respect to content of Web pages of determined content type with the test results of the subject Web page of undetermined content type using at least one Bayesian network and (iii) for each potential content type, assigning a respective probability that at least some contents of that type exists on the subject Web page being of the potential content type, and indicating content type exclusive of indicating language in which content is written.

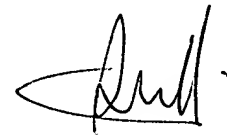
*Conclusion*

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Adam L. Basehoar whose telephone number is (571)-272-4121. The examiner can normally be reached on M-F: 7:00am - 4:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Steve Hong can be reached on (571) 272-4124. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Adam L. Basehoar



STEPHEN HONG  
SUPERVISORY PATENT EXAMINER